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DATE: Monday, July 19, 2004

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<input type="checkbox"/>	L4	L1 with penicillium	2
<input type="checkbox"/>	L1	bromo adj3 hydroxybutan\$	71

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☐ 1. Document ID: US 20030134402 A1

Using default format because multiple data bases are involved.

L4: Entry 1 of 2

File: PGPB

Jul 17, 2003

PGPUB-DOCUMENT-NUMBER: 20030134402

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030134402 A1

TITLE: Process for producing optically active 4-halo-3-hydroxybutanoate

PUBLICATION-DATE: July 17, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Asako, Hiroyuki	Osaka		JP	
Matsumura, Kenji	Osaka		JP	
Shimizu, Masatoshi	Osaka		JP	
Ito, Nobuya	Toyama-shi		JP	
Wakita, Ryuhei	Osaka		JP	

US-CL-CURRENT: [435/146](#); [435/189](#), [435/197](#), [536/23.1](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw De
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☐ 2. Document ID: US 20030134402 A1, EP 1213354 A2, JP 2002212158 A, JP 200223789 A, JP 2002233392 A, JP 2003061682 A

L4: Entry 2 of 2

File: DWPI

Jul 17, 2003

DERWENT-ACC-NO: 2002-550350

DERWENT-WEEK: 200348

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TITLE: New protein preferentially producing (S)-4-bromo-3-hydroxybutanoate by asymmetrically reducing 4-bromo-3-oxobutanoate, useful in pharmaceuticals and agrochemicals

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMC	Draw De
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SDIs in CAPLUS
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AND CURRENT DISCOVER FILE IS DATED 26 APRIL 2004
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0.21

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=> s bromo (3w)hydroxybutan?
L1 32 BROMO (3W) HYDROXYBUTAN?

=> s l1 and penicillium
L2 5 L1 AND PENICILLIUM

=> dup rem l2
PROCESSING COMPLETED FOR L2
L3 3 DUP REM L2 (2 DUPLICATES REMOVED)

=> d 1-3

L3 ANSWER 1 OF 3 HCAPLUS COPYRIGHT 2004 ACS on STN
AN 2004:112750 HCAPLUS
DN 140:180242
TI Enzymic resolution for manufacture of 3-hydroxybutanoic acid compounds
IN Ito, Shinya; Wakita, Ryuhei
PA Sumitomo Chemical Co., Ltd., Japan
SO Jpn. Kokai Tokkyo Koho, 77 pp.
CODEN: JKXXAF
DT Patent
LA Japanese
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 2004041070	A2	20040212	JP 2002-202396	20020711
PRAI	JP 2002-202396		20020711		
OS	MARPAT 140:180242				

L3 ANSWER 2 OF 3 HCAPLUS COPYRIGHT 2004 ACS on STN
AN 2003:108053 HCAPLUS
DN 138:121676
TI Manufacture of (R)-4-cyano-3-hydroxybutanoic acid esters with
Penicillium
IN wakita, Ryuhei; Asako, Hiroyuki; Matsumura, Kenji; Shimizu, Masatoshi
PA Sumitomo Chemical Co., Ltd., Japan
SO Jpn. Kokai Tokkyo Koho, 6 pp.
CODEN: JKXXAF
DT Patent
LA Japanese
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 2003038193	A2	20030212	JP 2001-229309	20010730
PRAI	JP 2001-229309		20010730		

L3 ANSWER 3 OF 3 BIOTECHDS COPYRIGHT 2004 THOMSON DERWENT/ISI on STN
DUPLICATE 1
AN 2002-19087 BIOTECHDS
TI New protein preferentially producing (S)-4- ***bromo*** -3-
hydroxybutanoate by asymmetrically reducing 4-bromo-3-
oxobutanoate, useful in pharmaceuticals and agrochemicals;
vector-mediated glucose-dehydrogenase gene transfer and expression in
Escherichia coli for stereospecific compound production
AU ASAKO H; MATSUMURA K; SHIMIZU M; ITO N; WAKITA R
PA SUMITOMO CHEM CO LTD
PI EP 1213354 12 Jun 2002
AI EP 2000-310251 7 Dec 2000

PRAI JP 2001-175175 11 Jun 2001
DT Patent
LA English
OS WPI: 2002-550350 [59]

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L1 32 S BROMO (3W)HYDROXYBUTAN?
L2 5 S L1 AND PENICILLIUM
L3 3 DUP REM L2 (2 DUPLICATES REMOVED)

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COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
20.16	20.37

FULL ESTIMATED COST

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